

Title (en)
Battery charge optimizing system

Title (de)
Ladungsoptimierung einer Batterieladeanordnung

Title (fr)
Optimisation d'un système de charge de batterie

Publication
EP 1148616 A3 20041124 (EN)

Application
EP 01300972 A 20010202

Priority
US 54010800 A 20000331

Abstract (en)
[origin: US6188199B1] An optimizer circuit is interposed between a DC bus and a battery of a power supply system, including two converters in parallel, one that can lower the battery voltage below the bus voltage or directly connect the bus to the battery and one that can raise the voltage to the battery above the bus voltage. A controller actuates the two converters for optimizing battery charging and maintenance and for providing the battery power to the bus if other sources supplying the bus are not available.

IPC 1-7
H02J 7/14; **H02J 7/00**

IPC 8 full level
H02J 7/02 (2006.01); **H02J 7/34** (2006.01)

CPC (source: EP US)
H02J 7/02 (2013.01 - EP US); **H02J 7/34** (2013.01 - EP US); **H02J 2207/20** (2020.01 - EP US); **Y02B 40/00** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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US 6188199 B1 20010213; EP 1148616 A2 20011024; EP 1148616 A3 20041124

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